

CLAIM AMENDMENTS

Please replace the claims with the following list of claims:

LISTING OF CLAIMS

1. (Currently Amended) A wireless communication device comprising:

an input terminal that communicates ~~configured to communicate~~ data with a processor;

a segregation circuit, ~~150~~ coupled to the input terminal that identifies and ~~configured to identify~~ predetermined data and separates incoming high-priority ~~to separate more important~~ data from incoming low-priority ~~less important~~ data;

a memory that stores a ~~112 configured to store at least one~~ parameter relevant to the wireless communication protocol; ~~[[and]]~~

a modem, ~~[[110]]~~ coupled to the segregation circuit and the memory, that communicates and ~~configured to communicate~~ using a wireless protocol over a wireless channel~~[[,]]~~; including and

a framer that fragments the incoming high-priority data and the incoming low-priority ~~152 configured to fragment the segregated~~ data based at least in part on the ~~at least one~~ parameter stored in the memory.

2. (Currently Amended) The wireless communication device of claim 1, wherein[[:]]

the memory 112 ~~is configured to store~~ stores a fragmentation threshold parameter[[:]] which ~~that~~ is set to be greater than the length of the incoming high-priority data and less than the length of the incoming low-priority data~~-segregation circuit allocates for more important data; and~~

the framer ~~is configured to fragment the segregated~~ that frames the incoming high-priority data and the incoming low-priority data based at least in part of the fragmentation threshold parameter.

3. (Currently Amended) The wireless communication device of claim 1, wherein[[:]] the predetermined data is video data, [[and]] the ~~more-important~~ high-priority data is [[the]] video control data, and the ~~less-important~~ low-priority data is [[the]] video payload data.

4. (Currently Amended) The wireless communication device of claim 2, wherein[[:]] the predetermined data is video data, [[and]] the ~~more-important~~ high-priority data is [[the]] video control data, and the ~~less-important~~ low-priority data is [[the]] video payload data.

5. (Currently Amended) The wireless communication device of ~~claim 5~~ claim 3, wherein ~~[[:]]~~the video data are Moving Picture Experts Group-2 (MPEG-2) is-MPEG-2 format video data.

6. (Currently Amended) The wireless communication device of ~~claim 6~~ claim 4, wherein ~~[[:]]~~the video data are Moving Picture Experts Group-2 (MPEG-2) is-MPEG-2 format video data.

7. (Currently Amended) A method of communicating between wireless modems using a wireless communication protocol, comprising ~~the steps of:~~

storing ~~at least one~~ a parameter relevant to the wireless communication protocol;
identifying, by a segregation circuit, predetermined data; ~~[[and]]~~
separating incoming high-priority data from incoming low-priority data;
~~segregating the predetermined data to separate more important data from less important data, thereby creating segregated data;~~
framing the incoming high-priority data and the incoming low-priority segregated-data based at least in part on the ~~at least one~~ stored parameter; and
communicating using the wireless communication protocol over a wireless channel with at least one other modem.

8. (Currently Amended) The method of claim 7, ~~further comprising: wherein~~[[:]]
~~the storing step including the step of storing~~ setting a fragmentation threshold
parameter[[,]] ~~which is set to be greater than the length of the incoming high-priority~~
~~data and less than the length of the incoming low-priority data, wherein the parameter~~
~~comprises the fragmentation threshold parameter~~ segregation circuit allocates fir more
~~important data; and further wherein~~ the framing step comprises ~~including the step of~~
~~fragmenting~~ framing the segregated incoming high-priority data and incoming low-
priority data based at least in part on of the fragmentation threshold parameter.

9. (Currently Amended) The method of claim 7, wherein[[:]] the identifying step
further comprises; ~~includes the step of~~
identifying video data; and
segregating the video data, wherein ~~to separate the more important~~ video control
data are high-priority data and ~~the less important~~ video payload data are low-priority
data.

10. (Currently Amended) The method of claim 8, wherein[::] the identifying step further comprises; includes the step of

identifying video data; and

segregating the video data, wherein ~~to separate the more important~~ video control data are high-priority data and ~~the less important~~ video payload data are low-priority data.

11. (Currently Amended) The method of claim 9, wherein [[:]] the video data are Moving Picture Experts Group-2 (MPEG-2) ~~is MPEG-2~~ format video data.

12. (Currently Amended) The method of claim 10, wherein [[:]] the video data are Moving Picture Experts Group-2 (MPEG-2) ~~is MPEG-2~~ format video data.